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January 31, 2001

EX PARTE OR LATE FILED

VIA HAND DELIVERY

Magalie R. Salas, Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Written *Ex Parte* Presentation by Cbeyond Communications, Inc. (Collo. Remand) – CC Docket Nos. 96-98, 98-147

Dear Ms. Salas:

On January 17, 2001 Cbeyond Communications ("Cbeyond") made an oral *ex parte* presentation to Bill Kehoe, Kimberly Cook and Alexis Johns of the Common Carrier Bureau Policy Division, and Jerome Stanshine and Shanti Gupta of the Commission's Office of Engineering and Technology. The presentation was made by Julia Strow, Vice President— Regulatory and Industry Relations; Tom Hyde, Director—Local Interconnection; and Brian Musselwhite, Regulatory Manager, along with Ross Buntrock of Kelley Drye & Warren LLP. In response to questions raised by the Commission staff in that meeting, Cbeyond submits the following written *ex parte*.

As Cbeyond indicated in its January 17 oral *ex parte* presentation, Section 251(c)(6) should be read to authorize physical collocation of multifunctional equipment. The regulatory treatment of such equipment is particularly important for the development of competition because modern technology is obviating the need for separate transmission, multiplexing, switching, and information services equipment, to name a few examples. Moreover, the Commission has already recognized that equipment integrating multiple functions is more efficient and cost effective and facilitates the provision of a broader range of services.[1]

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[1] See *Advanced Services First Report and Order*, 14 FCC Rcd at 4775, 4777-4778, ¶¶ 26, 29.

DC01/BUNTR/138879.1

Cbeyond submits that the Commission must ensure that multifunctional equipment be permitted in the collocation space provided to competitive local exchange carriers ("CLECs") by the incumbent local exchange carriers ("ILECs") as long as such equipment is used for interconnection with the ILEC and access to unbundled elements in addition to other capabilities that it may provide. Specifically, Cbeyond has requested that the Cisco 3600 series of routers, which Cbeyond uses as a trunking gateway and router, be permitted in ILEC collocation space.[2]

While Cbeyond, is not currently collocating this type of equipment, the need to collocate this type of equipment will, no doubt, arise in the future, due to fact that most interconnection agreements contain provisions requiring CLECs to direct trunk to end offices once a certain traffic threshold is reached.[3] The traffic thresholds vary by ILEC. Once the thresholds are met and Cbeyond is required to direct trunk to the end office rather than aggregate its traffic at the tandem location(s), Cbeyond will need to place the Cisco 3600 series equipment at the collocation in the ILEC end office. If the Commission's rules preclude collocation of the Cisco equipment referenced above, Cbeyond will not be permitted to place its equipment in the collocation space, which will result in unnecessary costs and network routing inefficiencies.

Accordingly, unless the particular multifunctional equipment described above, and equipment that provides similar functionality, is permitted to be collocated by the Commission's rules, the goals and objectives of Sections 251(c)(2) and 251(c)(3) will be frustrated.

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[2] A technical description of the Cisco 3600 equipment is appended hereto as Attachment 1.

[3] Examples of the relevant pages of the interconnection agreements setting forth traffic thresholds are appended hereto as Attachment 2.

Pursuant to Sections 1.1206(b)(1) and (2), an original and two copies of this *ex parte* notification (with attachments) are provided for inclusion in the public record of the above-referenced proceedings. Please direct any questions regarding this matter to the undersigned.

Respectfully submitted,

Ross A. Buntrock

cc: Bill Kehoe
      Kimberly Cook
      Alexis Johns
      Jerome Stanshine
      Shanti Gupta
      International Transcription Services

ATTACHMENT 1

Table of Contents

Cisco 3600 Series — Modular, High-Density Access Routers

Product Overview

The Cisco 3600 series is a multifunction platform that combines dial access, routing, and LAN-to-LAN services and multiservice integration of voice, video and data in the same device. The Cisco 3600 series includes the Cisco 3660, the Cisco 3640, and Cisco 3620 multiservice platforms. As modular solutions the Cisco 3660, the Cisco 3640, and Cisco 3620 have the flexibility to meet both current and future connectivity requirements. The Cisco 3600 series is fully supported by Cisco IOS software, which includes analog and digital voice capability, ATM access with T1/E1 IMA or OC-3 interfaces, dial-up connectivity, LAN-to-LAN routing, data and access security, WAN optimization, and multimedia features.

The Cisco 3660 has six network module slots; The Cisco 3640 has four network module slots; the Cisco 3620 has two slots. Each network module slot accepts a variety of network module interface cards, including LAN and WAN mixed media cards supporting Ethernet, Fast Ethernet, Token Ring, and a variety of WAN technologies. These cards provide the foundation of LAN and WAN connectivity on a single, modular, network module. Additional applications are supported with a series of network module cards offering digital modems, asynchronous and synchronous serial, ISDN PRI, and ISDN BRI interfaces. In addition to the 6 network module slots the Cisco 3660 has 2 internal Advanced Integration Module (AIM) slots for applications such as hardware accelerated compression and the chassis incorporates 1 or optionally 2 integrated 10/100 (Ethernet/Fast Ethernet) ports.

The Cisco 3600 series shares network modules, WAN Interface Cards, and Voice Interface Cards with the Cisco 2600 series. The Cisco 3600 series shares WAN Interface Cards with the Cisco 1600 and Cisco 1700 series.
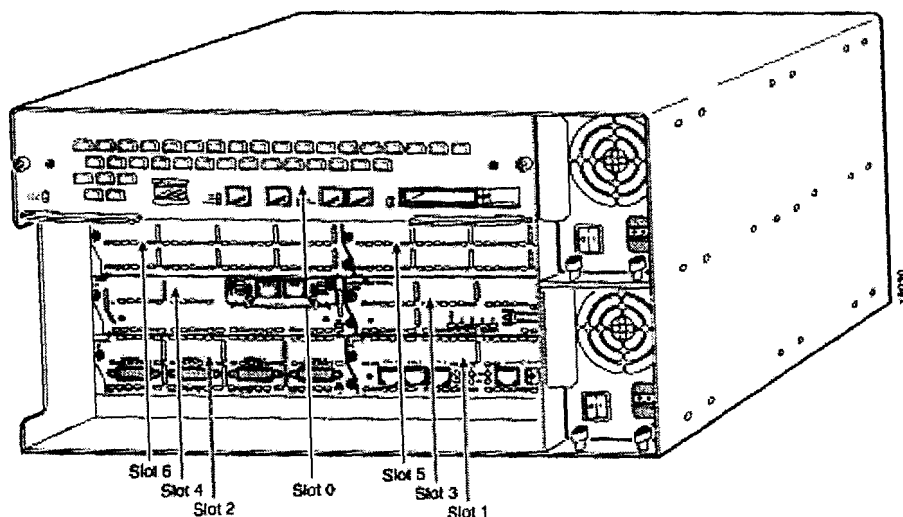
Figure 18-8: Cisco 3660 Router Rear View
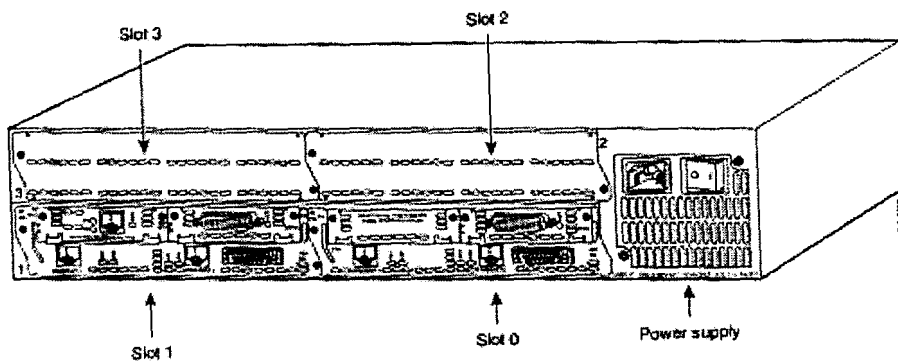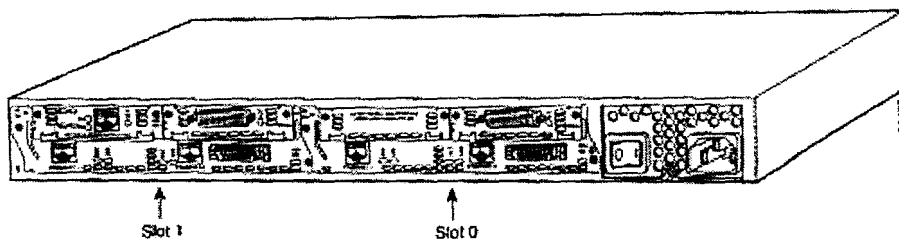

Figure 18-9: Cisco 3640 Router Rear View

Figure 18-10: Cisco 3620 Router Rear View

Options for Cisco 3600 Series

— Options for Cisco 3600, 2600, and 1600: NMs, VICs, WICs, and AIMs

Key Features and Benefits

The Cisco 3660, Cisco 3640, and Cisco 3620 routers support the following network applications and services:

- Analog and digital voice services

  The voice/fax network modules for the Cisco 2600 and Cisco 3600 series multiservice access routers enable packet voice technologies including VoIP and VoFR. Cisco's voice solutions provide the means for integrating both voice and data within a single network and allow users to take advantage of services, such as toll-bypass, without sacrificing voice quality. The digital T1/E1 Packet Voice Trunk Network Module provides a flexible and scalable T1/E1 voice solution and supports up to 60 voice channels in a single network module. The analog voice/fax network modules slide into Cisco 2600 and 3600 chassis slots and contain either one or two voice interface card (VIC) slots. The VICs currently available are two-port foreign exchange station (FXS), foreign exchange office (FXO), E&M 2-wire and 4-wire interfaces and a basic rate interface (BRI). The voice modules support all major industry codecs including G.711, G.723, G.726, G.728, G.729 and G.729a/b for customized solutions and to meet the need for high voice quality and bandwidth efficiency

- ATM networking services

  Four new multiport T1/E1 ATM network modules with Inverse Multiplexing over ATM (IMA) and 3 ATM OC-3 network module are now available for the 3600 series multiservice access platforms. These new multiport ATM modules allow service provider and enterprise customers to cost-effectively increase bandwidth, extending multiservice capabilities to remote-branch-office locations through ATM. These network modules support a robust set of ATM features including UBR, VBR-rt, VBR-nrt, and ABR ATM class of services, ATM Forum User Network Interface (UNI) 3.0, UNI 3.1, and UNI 4.0 signaling, Permanent Virtual Circuits (PVCs) and Switched Virtual Circuits (SVCs), and ATM Adaptation Layer 5 (AAL5) to name a few.

- Dial-up services

  The Cisco 3600 is a mid-range dial-up platform that fits between Cisco's AccessPath and AS5300 products at the high end and the Cisco 2500 series access servers at the low end. Mixed-mode and high density ISDN and asynchronous configurations offer substantial flexibility in dial-up applications. Integrated digital modems (with support for PRI, BRI, CT1 and R2) and new integrated analog modems further enhance the dial access flexibility and scalability of the Cisco 3600.

- ISDN PRI networks

  The Cisco 3600 series offers high levels of cost effective ISDN PRI concentration. A Cisco 3640 configured with a Mixed Media LAN/ISDN PRI network module and three 2-port ISDN PRI network modules supports up to 186 (T1) or 240 (E1) B channels. This is a powerful and cost effective way to aggregate many branch offices and telecommuters onto one corporate network.

- ISDN BRI networks

  For areas of the world where ISDN BRI services are more widely available or cost effective, the Cisco 3600 series supports many BRI interfaces. Configured with a LAN network module and three 8-port network modules, a Cisco 3640 connects up to 48 B channels. In this way, one system provides high-density BRI interface dial-up support and local LAN and WAN routing connectivity.

- Serial networks

  With support for up to 48 synchronous serial interfaces on the Cisco 3660, the Cisco 3600 series and its RISC processor are the perfect complement to the Cisco 2600, 2500, 1700, and 1600 series. The Cisco 3600's higher performance and modular design are appropriate for locations needing support for multiple T1/E1 links or the ability to change configurations in the future.

- Mixed WAN services

  Many corporate environments require support for a mixture of ISDN PRI, ISDN BRI, asynchronous serial, and synchronous serial connections. The Cisco 3600 series is ideal for this scenario. It allows migration between interfaces or simultaneous support of several technologies.

- Multiservice access solutions and applications

  The three Cisco 3600 models allow new levels of connectivity and performance for branch offices with their scalable size, slot density, and cost. Combinations of network modules provide new opportunities for branch offices needing more than a fixed-configuration solution. The Cisco 3620, for example, provides multiple LAN access server support for asynchronous, ISDN, analog modem and digital modem environments, which complements the Cisco 2500 series access servers. Alternatively, a Cisco 3620 adds multiple LAN capabilities to branch bank environments needing to assimilate legacy serial devices, connecting them all to a high-speed Frame Relay network.

- LAN-to-LAN services

  Consistent with its other capabilities, the Cisco 3600 series offers midrange LAN-to-LAN connectivity for branch offices needing a flexible modular platform. The Cisco 2500 series, with a multitude of fixed configurations, offers cost effective branch office solutions including integrated routers and hubs, single and dual LAN routers, and multiple serial routers.

Network Module Options for the Cisco 3600 Series

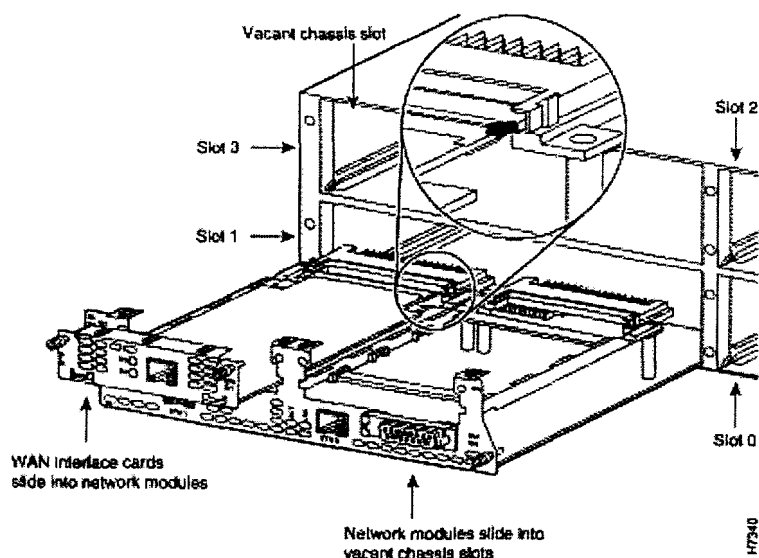The Cisco 3660, Cisco 3640, and Cisco 3620 routers are 6-, 4- and 2-slot multiservice access routers, respectively, whose LAN and WAN connections are configured by means of interchangeable network modules and WAN interface cards. The Cisco 3660 also incorporates 1 or optionally 2 integrated 10/100 (Ethernet/Fast Ethernet) ports.The following network modules are available for the Cisco 3660, Cisco 3640, and Cisco 3620 routers:

- Analog and Digital (T1) Voice Network Modules

- Single-Port High-Speed Serial Interface (HSSI)

- ATM 25 Mbps Network Module

- ATM OC3 155 Mbps Network Module

- 6, 12, 18, 24 and 30 digital modem network modules

- LAN with modular WAN (WAN Interface Cards)

- 8 and 16 analog modem network modules

- Channelized T1, ISDN PRI and E1 ISDN PRI network modules

- Combined FastEthernet and PRI network modules

- 4- and 8-port ISDN BRI network modules

- 16- and 32-port asynchronous network modules

- 4- and 8-port synchronous/asynchronous network modules

- 1- and 4-port Ethernet network modules

- 1-port Fast Ethernet (10/100) network modules (100BaseT - "TX" and Fiber - "FX")

- 8- and 16-port analog modem modules

- 4-port serial network module

- Compression network module (Cisco 3620 and Cisco 3640, AIM for the Cisco 3660)

In addition the Cisco 3660 supports 2 internal AIM slots. The Data Compression Advanced Integration Module (AIM) for the Cisco 3660 Series delivers a cost-effective option for reducing recurring wide-area network (WAN) costs and maximizing the benefit of the advanced bandwidth management features of Cisco IOS. The Data Compression AIM takes advantage of either of the two available Cisco 3660 internal AIM slots, ensuring that external slots remain available for components such as integrated analog voice/fax, digital voice/fax, ATM, channel service unit/digital service units (CSU/DSUs), analog and digital modems.

The figure below shows how a vacant chassis slot on the Cisco 3640 accepts a mixed media network module, which in turn accepts a WAN interface card.

Figure 18-11: Relationship Between Cisco 3600 Series Hardware Devices

Vacant chassis slot
Slot 3
Slot 1
Slot 2
Slot 0
WAN interface cards slide into network modules
Network modules slide into vacant chassis slots
H7340

Note For detailed information about network modules (NMs), WAN interface cards (WICs), and Voice interface cards, (VICs), see the "NMs, WICs, and VICs for the Cisco 3600 Series, 2600 Series, and 1600 Series" section in this chapter.

Specifications

Hardware

Table 18-70: Technical Specifications for Cisco 3600 Series

Description	Cisco 3620	Cisco 3640	Cisco 3660
Supported network interfaces	Ethernet Fast Ethernet Token Ring Asynchronous Synchronous serial High Speed Serial Interface ISDN BRI (ST and U interfaces) Channelized T1/ISDN PRI (with and without CSU) Channelized E1/ISDN PRI (balanced and unbalanced) Digital Modems	Same as Cisco 3620	Same as Cisco 3620

	Analog Modems Voice ATM 25 Mbps ATM OC3 Multiport T1/E1 ATM with IMA (Inverse Multiplexing over ATM)		
Supported Cisco IOS software	Release 11.1 AA, Release 11.2 P, 11.3, and 11.3T, 12.0, 12.0T	Same as Cisco 3620	Release 12.0(5)T
Flash Memory	8 MB of Flash memory (SIMM), expandable to 32 MB. PCMCIA Flash memory cards are also supported by each model, available in 4 to 16 MB sizes.	Same as Cisco 3620	8 MB of Flash in the enterprise models (3661-AC, 3661-DC, 3662-AC, 3662-DC) and 16 MB in the telco models (3662-AC-CO, 3662-DC-CO) upgradable to 64 MB
DRAM memory (system and packet)	32 MB of DRAM memory expandable to 64 MB.	32 MB of DRAM memory, expandable to 128 MB.	32 MB of SDRAM for both enterprise and telco models, upgradable to 256 MB
Network module slots	2	4	6
Processor type	80 MHz IDT R4700 RISC	100 MHz IDT R4700 RISC	225 MHz RISC QED RM5271
Standard components	2 PCMCIA slots High-speed console and auxiliary ports Rack- and wall-mount kit Power supply and cord Console Cable	Same as Cisco 3620	Same as Cisco 3620

Table 18-71: Power Requirements for Cisco 3600 Series

Description	Cisco 3620	Cisco 3640	Cisco 3660
Input Voltage, AC	100 to 240 VAC, autoranging	Same as Cisco 3620	Same as Cisco 3620
Input Voltage, DC	38 to 72 VDC	Same as Cisco 3620	Same as Cisco 3620
Current, AC	1.0A	2.0A	2.0A
Current, DC	2.5A	5.0A	8.0A
Frequency	50 to 60 Hz	Same as Cisco 3620	Same as Cisco 3620
Max. power dissipation	60W	140W	250W

Table 18-72: Physical and Environmental Specifications for Cisco 3600 Series

Description	Cisco 3620	Cisco 3640	Cisco 3660
Dimensions (H x W x D)	1.75 x 17.5 x 13.5 in. (4.4 x 44.5 x 34.2 cm)	3.44 x 17.5 x 15.7 in. (8.7 x 44.5 x 40.01 cm)	8.7 x 17.5 x 11.8 in. (22.1 x 44.5 x 30 cm)
Weight (average shipping)	25 lb (13.6 kg), includes chassis and 4 network modules	Same as Cisco 3620	43 lb (19.55 kg) includes chassis and 6 network modules
Operating humidity, noncondensing	5 to 95%	Same as Cisco 3620	Same as Cisco 3620
Operating temperature	32 to 104°F (0 to 40°C)	Same as Cisco 3620	Same as Cisco 3620

Table 18-73: Regulatory Approvals for Cisco 3600 Series

Description	Cisco 3620	Cisco 3640	Cisco 3660
Regulatory compliance	FCC Part 15 Class B. For additional compliance information, refer to the 3600 Series Public Network Certification document.	Same as Cisco 3620	Same as Cisco 3620

Note For detailed information about network modules (NMs), WAN interface cards (WICs), and Voice interface cards, (VICs), see the "NMs, WICs, and VICs for the Cisco 3600 Series, 2600 Series, and 1600 Series" section in this chapter.

Memory, Power Supply, and Cable Options

The Cisco 3620/40 uses two types of replaceable or upgradeable memory: DRAM memory and Flash memory. Both types of memory are implemented with SIMMs. Each router has two Flash SIMM sockets and four DRAM SIMM sockets. In the standard Flash memory configuration, the first socket contains a 8 MB Flash SIMM, and the second socket is empty. You can upgrade the Flash memory to 32 MB on both routers. Each Cisco 3600 router ships standard with 32 MB of DRAM. The Cisco 3640 is expandable to 128 MB of DRAM. The Cisco 3620 is expandable to 64 MB of DRAM.

The Cisco 3660 series uses two types of replaceable or upgradeable memory: SDRAM memory and Flash memory. Flash memory is implemented with SIMMs whereas SDRAM memory uses DIMMS.

The 3660 has two Flash SIMM sockets and two SDRAM DIMM sockets. In the standard Flash memory configuration, the first socket contains a 8 MB Flash SIMM, and the second socket is empty. You can upgrade the Flash memory to 64 MB on a 3660 router. Each Cisco 3600 router ships standard with 32 MB of SDRAM and is upgradable to 256 MB of SDRAM.

The Cisco 3600 series routers use a DRAM memory configuration that is different from other Cisco routers. Unlike the Cisco 4000 series routers, for example, which have separate physical locations for processor memory and packet memory, the Cisco 3600 series routers use one pool of DRAM memory. The DRAM is partitioned into processor memory and packet memory areas. For example, the memory of a 16 MB DRAM configuration is split into 12 MB for processor memory and 4 MB for the packet memory.

The Cisco 3600 allows you to load new system images using a PCMCIA Flash memory card. You can also load images from a local or remote PC through the console or auxiliary ports using the Xmodem or Ymodem protocols.

Note For guidelines on how to order the proper amount of memory to support different network module configurations, refer to product bulletin 544, 3600 Series Memory Options and Configuration Guide. This document is accessible from Cisco Connection On-line (CCO). The URL is

http://www.cisco.com/warp/public/cc/cisco/mkt/access/3600/prodlit/544_pp.htm

Software

Table 18-74: Software Specifications for Cisco 3600 Series

Description	Specification
Supported Cisco IOS software	Cisco 3620/40: Release 11.1 AA, Release 11.2 P, 11.3, and 11.3T, 12.0, 12.0T
	Cisco 3660: Release 12.0(5)T

Ordering Information

Where to buy Cisco products

Visit http://www.cisco.com/public/ordering_info.shtml

Product and Part Numbers

Table 18-75: Part Numbers for the Cisco 3600 Series Routers

Part Description	Part Number
Cisco 3600 Series Products	
Cisco 3600 2-slot Modular Router-AC with IP Software	CISCO3620
Cisco 3600 2-Slot Modular Router-DC with IP Software	CISCO3620-DC
Cisco 3600 2-slot modular router, use w/ AC RPS with IP Soft	CISCO3620-RPS
Cisco 3600 4-slot Modular Router-AC with IP Software	CISCO3640
Cisco 3600 4-slot Modular Router-DC with IP Software	CISCO3640-DC
Cisco 3600 4-slot modular router, use w/ AC RPS with IP	CISCO3640-RPS
10/100 E Cisco 3660 6-slot Modular Router-AC with IP SW	CISCO3661-AC
10/100 E Cisco 3660 6-slot Modular Router-DC with IP SW	CISCO3661-DC
Dual 10/100 E Cisco 3660 6-slot Modular Router-AC with IP SW	CISCO3662-AC
Dual 10/100 E Cisco 3660 6-slot Modular Router-DC with IP SW	CISCO3662-DC
Dual 10/100E Cisco 3660 6-slot CO Mod Router-AC w/ Telco SW	CISCO3662-AC-CO
Dual 10/100E Cisco3660 6-slot CO Mod Routr 2xDC PS, Telco SW	CISCO3662-DC-CO
Cisco 3660 Series Data Compression AIM for the 3660	
Data Compression AIM for the 3660	AIM-COMPR4
DES/3DES VPN Encryption AIM for 3660-High Perform.	AIM-VPN/HP
DES/3DES VPN Encryption AIM for 3660-High Perform.	AIM-VPN/HP=
Cisco 3600 Series Bundles	
3640 BRI Dial Bundle: 1E2W,12DM ,4 BRI-S/T, IP IOS	3640MBUNDLE-4B-S/T
3640 BRI Dial Bundle: 1E2W,12DM ,4 BRI-U, IP IOS	3640MBUNDLE-4B-U
3640 BRI Dial Bundle: 1E2W,18DM ,8 BRI-S/T, IP IOS	3640MBUNDLE-8B-S/T
3640 BRI Dial Bundle: 1E2W,18DM ,8 BRI-U, IP IOS	3640MBUNDLE-8B-U
3620 PRI Dial Bundle: 1FE2CT1-CSU,24DM,IP IOS	3620MBUNDLE-24DM
3620 PRI Dial Bundle: 1FE2CE1-U,30DM,IP IOS	3620MBUNDLE-30DM
3600 Access Concentrator-48 MICA Modems+2 PRI/T1+Eth+IP IOS	AS3640-T1-48DM
3600 Access Concentrator-60 MICA Mods+Eth+IP IOS-No PRI NM	AS3640-E1-60DM
Cisco 3600 Series Network Modules	
1-Port Ethernet Network Module	NM-1E
1-Port Ethernet Network Module	NM-1E=
1-Port Fast Ethernet Network Module, FX Only	NM-1FE-FX
1-Port Fast Ethernet Network Module, FX Only	NM-1FE-FX=
1-Port Fast Ethernet Network Module (TX Only)	NM-1FE-TX
1-Port Fast Ethernet Network Module	NM-1FE-TX=
1 10/100 Ethernet 2 WAN Card Slot Network Module	NM-1FE2W
1 10/100 Ethernet 2 WAN Card Slot Network Module	NM-1FE2W=
1 Ethernet 2 WAN Card Slot Network Module	NM-1E2W

1 Ethernet 2 WAN Card Slot Network Module	NM-1E2W=
1 Ethernet 1 Token Ring 2 WAN Card Slot Network Module	NM-1E1R2W
1 Ethernet 1 Token Ring 2 WAN Card Slot Network Module	NM-1E1R2W=
1 10/100 Ethernet 1 4/16 Token-Ring 2 WAN Card Slot NM	NM-1FE1R2W
1 10/100 Ethernet 1 4/16 Token-Ring 2 WAN Card Slot NM	NM-1FE1R2W=
Single port HSSI network module for 3660, 3640 and 3620	NM-1HSSI
Single port HSSI network module for the 3640/3620	NM-1HSSI=
1-Port DS3 ATM Network Module	NM-1A-T3
1-Port DS3 ATM Network Module	NM-1A-T3=
1-Port E3 ATM Network Module	NM-1A-E3
1-Port E3 ATM Network Module	NM-1A-E3=
1-port MultimodeOC-3 ATM CES network module	NM-1A-OC3MM-1V
1-port MultimodeOC-3 ATM CES network module	NM-1A-OC3MM-1V=
1-port Singlemode Intermediate Reach OC-3 ATM CES NM	NM-1A-OC3SMI-1V
1-port Singlemode Intermediate Reach OC-3 ATM CES NM	NM-1A-OC3SMI-1V=
1-port Sinlgemode Long Reach OC-3 ATM CES NM	NM-1A-OC3SML-1V
1-port Sinlgemode Long Reach OC-3 ATM CES NM	NM-1A-OC3SML-1V=
Single port ATM OC-3 Multimode network module for 3600	NM-1A-OC3MM
Single port ATM OC-3 Multimode network module for 3600	NM-1A-OC3MM=
Single port ATM OC-3 Singlemode Intermediate Reach NM	NM-1A-OC3SMI
Single port ATM OC-3 Singlemode Intermediate Reach NM	NM-1A-OC3SMI=
Single port ATM OC-3 Singlemode Long Reach Network Module	NM-1A-OC3SML
Single port ATM OC-3 Singlemode Long Reach Network Module	NM-1A-OC3SML=
One-slot Voice/fax Network Module	NM-1V
One-Slot Voice/fax Network Module-Spare	NM-1V=
Two-Slot Voice/fax Network Module	NM-2V
Two-Slot Voice/fax Network Module-Spare	NM-2V=
Single-Port 30 Channel E1 Voice/Fax Network Module	NM-HDV-1E1-30
Single-Port 30 Channel E1 Voice/Fax Network Module	NM-HDV-1E1-30=
Single-Port 30 Enhanced Channel E1 Voice/Fax Network Module	NM-HDV-1E1-30E
Single-Port 30 Enhanced Channel E1 Voice/Fax Network Module	NM-HDV-1E1-30E=
Dual-Port 60 Channel E1 Voice/Fax Network Module	NM-HDV-2E1-60
Dual-Port 60 Channel E1 Voice/Fax Network Module	NM-HDV-2E1-60=
Single-Port 24 Channel T1 Voice/Fax Network Module	NM-HDV-1T1-24
Single-Port 24 Channel T1 Voice/Fax Network Module	NM-HDV-1T1-24=
Single-Port 24 Enhanced Channel T1 Voice/Fax Network Module	NM-HDV-1T1-24E
Single-Port 24 Enhanced Channel T1 Voice/Fax Network Module	NM-HDV-1T1-24E=

Dual-Port 48 Channel T1 Voice/Fax Network Module	NM-HDV-2T1-48
Dual-Port 48 Channel T1 Voice/Fax Network Module	NM-HDV-2T1-48=
2 WAN Card Slot Network Module(no LAN)	NM-2W
2 WAN Card Slot Network Module(no LAN)	NM-2W=
2 Ethernet 2 WAN Card Slot Network Module	NM-2E2W
2 Ethernet 2 WAN Card Slot Network Module	NM-2E2W=
2 10/100 Ethernet 2 WAN Card Slot Network Module	NM-2FE2W
2 10/100 Ethernet 2 WAN Card Slot Network Module	NM-2FE2W=
4-Port Async/Sync Serial Network Module	NM-4A/S
4-Port Async/Sync Serial Network Module	NM-4A/S=
4-Port ISDN-BRI Network Module	NM-4B-S/T
4-Port ISDN-BRI Network Module	NM-4B-S/T=
4-Port ISDN-BRI with NT-1 Network Module	NM-4B-U
4-Port ISDN-BRI with NT-1 Network Module	NM-4B-U=
8-Port Async/Sync Serial Network Module	NM-8A/S
8-Port Async/Sync Serial Network Module	NM-8A/S=
8Port Analog Modem Network Module	NM-8AM
8 Port Analog Modem Network Module, Spare	NM-8AM=
8-Port ISDN-BRI Network Module	NM-8B-S/T
8-Port ISDN-BRI Network Module	NM-8B-S/T=
8-Port ISDN-BRI with NT-1 Network Module	NM-8B-U
8-Port ISDN-BRI with NT-1 Network Module	NM-8B-U=
8-port Analog Modem NM for Singapore, Japan, Malaysia	NM-8AM-J
8-port Analog Modem NM for Singapore, Japan, Malaysia	NM-8AM-J=
1-Port Channelized T1/ISDN-PRI Network Module	NM-1CT1
1-Port Channelized T1/ISDN-PRI Network Module	NM-1CT1=
1-Port Channelized T1/ISDN-PRI with CSU Network Module	NM-1CT1-CSU
1-Port Channelized T1/ISDN-PRI with CSU Network Module	NM-1CT1-CSU=
2-Port Channelized T1/ISDN-PRI Network Module	NM-2CT1
2-Port Channelized T1/ISDN-PRI Network Module	NM-2CT1=
2-Port Channelized T1/ISDN-PRI with CSU Network Module	NM-2CT1-CSU
2-Port Channelized T1/ISDN-PRI with CSU Network Module	NM-2CT1-CSU=
1-Port Channelized E1/ISDN-PRI Balanced Network Module	NM-1CE1B
1-Port Channelized E1/ISDN-PRI Balanced Network Module	NM-1CE1B=
1-Port Channelized E1/ISDN-PRI Unbalanced Network Module	NM-1CE1U
1-Port Channelized E1/ISDN-PRI Unbalanced Network Module	NM-1CE1U=
2-Port Channelized E1/ISDN-PRI Balanced Network Module	NM-2CE1B

2-Port Channelized E1/ISDN-PRI Balanced Network Module	NM-2CE1B=
2-Port Channelized E1/ISDN-PRI Unbalanced Network Module	NM-2CE1U
2-Port Channelized E1/ISDN-PRI Unbalanced Network Module	NM-2CE1U=
1 Port F Ethernet 1 Port Channelized T1/ISDN-PRI NM	NM-1FE1CT1
1 Port F Ethernet 1 Port Channelized T1/ISDN-PRI NM	NM-1FE1CT1=
1 Port F Ethernet 1 Port Channelized T1/ISDN-PRI with CSU NM	NM-1FE1CT1-CSU
1 Port F Ethernet 1 Port Channelized T1/ISDN-PRI with CSU NM	NM-1FE1CT1-CSU=
1 Port F Ethernet 1 Port Channelized E1/ISDN-PRI Balanced NM	NM-1FE1CE1B
1 Port F Ethernet 1 Port Channelized E1/ISDN-PRI Balanced NM	NM-1FE1CE1B=
1 Port F. Ether. 1Port Channelized E1/ISDN-PRI Unbalanced NM	NM-1FE1CE1U
nonort F. Ether. 1Port Channelized E1/ISDN-PRI Unbalanced NM	NM-1FE1CE1U=
1 Port F Ethernet 2 Port Channelized T1/ISDN-PRI NM	NM-1FE2CT1
1 Port F Ethernet 2 Port Channelized T1/ISDN-PRI NM	NM-1FE2CT1=
1 Port F Ethernet 2 Port Channelized T1/ISDN-PRI with CSU NM	NM-1FE2CT1-CSU
1 Port F Ethernet 2 Port Channelized T1/ISDN-PRI with CSU NM	NM-1FE2CT1-CSU=
1 Port F Ethernet 2 Port Channelized E1/ISDN-PRI Balanced NM	NM-1FE2CE1B
1 Port F Ethernet 2 Port Channelized E1/ISDN-PRI Balanced NM	NM-1FE2CE1B=
1 Port F.Ether. 2Port Channelized E1/ISDN-PRI Unbalanced NM	NM-1FE2CE1U
1 Port F. Ether. 2Port Channelized E1/ISDN-PRI Unbalanced NM	NM-1FE2CE1U=
4-Port Ethernet Network Module	NM-4E
4-Port Ethernet Network Module	NM-4E=
4-port E1 ATM Network Module with IMA	NM-4E1-IMA
4-port E1 ATM Network Module with IMA	NM-4E1-IMA=
4-Port Serial Network Module	NM-4T
4-Port Sync Serial Network Module	NM-4T=
4-port T1 ATM Network Module with IMA	NM-4T1-IMA
4-port T1 ATM Network Module with IMA	NM-4T1-IMA=
8-port E1 ATM Network Module with IMA	NM-8E1-IMA
8-port E1 ATM Network Module with IMA	NM-8E1-IMA=
8-port T1 ATM Network Module with IMA	NM-8T1-IMA
8-port T1 ATM Network Module with IMA	NM-8T1-IMA=
16 port Asynchronous Module	NM-16A
16 port Asynchronous Module	NM-16A=
16 Port Analog Modem Network Module	NM-16AM
16 Port Analog Modem Network Module, Spare	NM-16AM=
16-Port Analog Modem NM for Singapore,Japan, Malaysia	NM-16AM-J
16-port Analog Modem NM for Singapore, Japan, Malaysia	NM-16AM-J=

32 port Asynchronous Module	NM-32A
32 port Asynchronous Module	NM-32A=
6 Port Digital Modem Network Module	NM-6DM
6 Port Digital Modem Network Module	NM-6DM=
12 Port Digital Modem Network Module	NM-12DM
12 Port Digital Modem Network Module	NM-12DM=
18 Port Digital Modem Network Module	NM-18DM
18 Port Digital Modem Network Module	NM-18DM=
24 Port Digital Modem Network Module	NM-24DM
24 Port Digital Modem Network Module	NM-24DM=
30 Port Digital Modem Network Module	NM-30DM
30 Port Digital Modem Network Module	NM-30DM=
One port ATM 25Mbps network module	NM-1ATM-25
Single port ATM 25 Network Module for 3600 series(spare)	NM-1ATM-25=
Compression Network Module	NM-COMPR
Compression Network Module	NM-COMPR=
Blank Network Module Panel	NM-BLANK-PANEL=
1 Ethernet 2 WAN Card Slot Network Module FOR BUNDLES	NM-1E2W-BUN
DES/3DES VPN Encryption NM for 3620/3640-Mid Perform.	NM-VPN/MP
DES/3DES VPN Encryption NM for 3620/3640-Mid Perform.	NM-VPN/MP=
Cisco 3600 Series Voice Interface Cards	
Two-port Voice Interface Card - E&M	VIC-2E/M
Two-port Voice Interface Card - E&M-Spare	VIC-2E/M=
Two-port Voice Interface Card - FXO	VIC-2FXO
Two-port Voice Interface Card - FXO-Spare	VIC-2FXO=
Two-port Voice Interface Card - FXS	VIC-2FXS
Two-port Voice Interface Card - FXS-Spare	VIC-2FXS=
Two-port Voice Interface Card - FXO w/ Reversal (for US+)	VIC-2FXO-M1
Two-port Voice Interface Card - FXO w/ Reversal (for US+)	VIC-2FXO-M1=
Two-port Voice Interface Card - FXO w/ Reversal (for EU)	VIC-2FXO-M2
Two-port Voice Interface Card - FXO w/ Reversal (for EU)	VIC-2FXO-M2=
Two-port Voice Interface Card - FXO (for Australia)	VIC-2FXO-M3
Two-port Voice Interface Card - FXO (for Australia)	VIC-2FXO-M3=
Two-port Voice Interface Card - FXO (for Europe)	VIC-2FXO-EU
Two-port Voice Interface Card - FXO (for Europe)	VIC-2FXO-EU=
Two-port Voice Interface Card - BRI (NT & TE)	VIC-2BRI-NT/TE
Two-port Voice Interface Card - BRI (NT & TE)	VIC-2BRI-NT/TE=

Two-port Voice Interface Card - BRI (Terminal)	VIC-2BRI-S/T-TE
Two-port Voice Interface Card - BRI (Terminal)	VIC-2BRI-S/T-TE=
1-Port RJ-48 Multiflex Trunk - E1	VWIC-1MFT-E1
1-Port RJ-48 Multiflex Trunk - E1	VWIC-1MFT-E1=
2-Port RJ-48 Multiflex Trunk - E1	VWIC-2MFT-E1
2-Port RJ-48 Multiflex Trunk - E1	VWIC-2MFT-E1=
2-Port RJ-48 Multiflex Trunk - E1 With Drop and Insert	VWIC-2MFT-E1-DI
2-Port RJ-48 Multiflex Trunk - E1 With Drop and Insert	VWIC-2MFT-E1-DI=
1-Port RJ-48 Multiflex Trunk - T1	VWIC-1MFT-T1
1-Port RJ-48 Multiflex Trunk - T1	VWIC-1MFT-T1=
2-Port RJ-48 Multiflex Trunk - T1 With Drop and Insert	VWIC-2MFT-T1-DI
2-Port RJ-48 Multiflex Trunk - T1 With Drop and Insert	VWIC-2MFT-T1-DI=
2-Port RJ-48 Multiflex Trunk - T1	VWIC-2MFT-T1
2-Port RJ-48 Multiflex Trunk - T1	VWIC-2MFT-T1=
1-Port RJ-48 Multiflex Trunk - G.703	VWIC-1MFT-G703
1-Port RJ-48 Multiflex Trunk - G.703	VWIC-1MFT-G703=
2-Port RJ-48 Multiflex Trunk - G.703	VWIC-2MFT-G703
2-Port RJ-48 Multiflex Trunk - G.703	VWIC-2MFT-G703=
Cisco 3600 Series WAN Interface Cards	
1-Port Serial WAN Interface Card	WIC-1T
1-Port Serial WAN Interface Card	WIC-1T=
1-Port ISDN WAN Interface Card(dial and leased line)	WIC-1B-S/T
1-Port ISDN WAN Interface Card(dial and leased line)	WIC-1B-S/T=
1-Port ISDN withNT-1WAN Interface Card(dial and leased line)	WIC-1B-U
1-Port ISDN with NT-1 WAN Interface Card dial and leasedline	WIC-1B-U=
Blank WAN Interface Card Panel	WIC-BLANK-PANEL=
1-port 4-WIRE 56/64 KBPS WAN INTERFACE CARD	WIC-1DSU-56K4
1-Port 4-Wire 56Kbps DSU/CSU WAN Interface Card	WIC-1DSU-56K4=
1-Port T1/Fractional T1 DSU/CSU WAN Interface Card	WIC-1DSU-T1
1-Port T1/Fractional T1 DSU/CSU WAN Interface Card	WIC-1DSU-T1=
2-Port Serial WAN Interface Card	WIC-2T
2-Port Async/Sync Serial WAN Interface Card	WIC-2A/S
Cisco 3600 Series Memory Options	
4 MB Blank Flash PCMCIA Card for the Cisco 3600 Series	MEM3600-4FC
4 MB Blank Flash PCMCIA Card for the Cisco 3600 Series	MEM3600-4FC=
4 MB Flash for the Cisco 3600 Series	MEM3600-4FS=
8 MB Flash Card for the Cisco 3600 Series	MEM3600-8FC

8 MB Flash Card for the Cisco 3600 Series	MEM3600-8FC=
8 MB Flash for the Cisco 3600 Series	MEM3600-8FS=
16Mb Flash card for the Cisco 3600	MEM3600-16FC
16Mb Flash Card for the Cisco 3600 series	MEM3600-16FC=
16MB Flash Memory for the 3600	MEM3600-16FS=
8-to-16MB Flash Factory Upgrade for the Cisco 3600	MEM3600-8U16FS
8-to-32MB Flash Factory Upgrade for the Cisco 3600	MEM3600-8U32FS
16 to 64 MB factory flash upgrade for Cisco 3600	MEM3600-16U64FS
16 to 32 MB Factory Flash Upgrade for Cisco 3600	MEM3600-16U32FS
32-to-48 MB DRAM Factory Upgrade for the Cisco 3620	MEM3620-32U48D
32-to-64 MB DRAM Factory Upgrade for the Cisco 3620	MEM3620-32U64D
32-to-48 MB DRAM Factory Upgrade for the Cisco 3640	MEM3640-32U48D
32-to-64 MB DRAM Factory Upgrade for the Cisco 3640	MEM3640-32U64D
32-to-128 MB DRAM Factory Upgrade for the Cisco 3640	MEM3640-32U128D
32-to-64MB DRAM Factory Upgrade for the Cisco 3660	MEM3660-32U64D
32-to-96MB DRAM Factory Upgrade for the Cisco 3660	MEM3660-32U96D
32-to-128MB DRAM Factory Upgrade for the Cisco 3660	MEM3660-32U128D
32-to-256MB DRAM Factory Upgrade for the Cisco 3660	MEM3660-32U256D
64 to 96 MB factory SDRAM upgrade for Cisco 3660	MEM3660-64U96D
64 to 128 MB factory SDRAM upgrade for Cisco 3660	MEM3660-64U128D
64 to 256 MB factory SDRAM upgrade for Cisco 3660	MEM3660-64U256D
4 MB DRAM SIMM for the Cisco 3620 Series	MEM3620-4D=
8 MB DRAM SIMM for the Cisco 3620 Series	MEM3620-8D=
16 MB DRAM SIMM for the Cisco 3620 Series	MEM3620-16D=
8 MB DRAM for the Cisco 3640 (2x4 MB DRAM SIMMs)	MEM3640-2X4D=
16MB DRAM for the Cisco 3640 (2x8 MB DRAM SIMMs)	MEM3640-2X8D=
32MB DRAM for the Cisco 3640 (2x16 MB DRAM SIMMs)	MEM3640-2X16D=
64MB DRAM for the Cisco 3640 (2x32MB DRAM SIMMs)	MEM3640-2X32D=
32 MB DRAM Field Upgrade for the Cisco 3660	MEM3660-32D=
64 MB DRAM Field Upgrade for the Cisco 3660	MEM3660-64D=
128 MB DRAM Field Upgrade for the Cisco 3660	MEM3660-128D=
128MB DRAM for the Cisco 3660 (2x64 MB DRAM SIMMs)	MEM3660-2X64D=
256MB DRAM for the Cisco 3660 (2x128 MB DRAM SIMMs)	MEM3660-2X128D=
6 Port Digital Modem Network Module, Spare	MICA-6MOD=
PC Card memory for 3600 with 56k Modem Microcode (spare)	MEM56K-3600=
Cisco 3600 Series Options & Spares	
600W Redundant AC Power System With DC Power Cables	PWR600-AC-RPS-CAB

600W Redundant AC Power System W/O DC Power Cables	PWR600-AC-RPS-NCAB
AC Power Supply for the Cisco 3620	PWR-3620-AC=
DC Power Supply for the Cisco 3620	PWR-3620-DC=
AC Power Supply for the Cisco 3640	PWR-3640-AC=
DC Power Supply for the Cisco 3640	PWR-3640-DC=
Redundant AC Power Supply for Cisco 3660	PWR-3660-AC
AC Power Supply for the Cisco 3660	PWR-3660-AC=
Redundant DC Power Supply for Cisco 3660	PWR-3660-DC
DC Power Supply for the Cisco 3660	PWR-3660-DC=
Auxiliary/Console Port Cable Kit for the Cisco 3600 Series	ACS-3600ASYN
Auxiliary/Console Port Cable Kit for the Cisco 3600 Series	ACS-3600ASYN=
NEBS/ETSI Telco Accessory Kit for Cisco 3620	ACS-3620NEBS/ETSI=
NEBS/ETSI Telco Accessory Kit for Cisco 3640	ACS-3640NEBS/ETSI=
NEBS/ETSI Central Office Auxiliary Kit for Cisco 3660	ACS-3660NEBS/ETSI=
19 Inch Rack Mount Kit for the Cisco 3620	ACS-3620RM-19=
24 Inch Rack Mount Kit for the Cisco 3620	ACS-3620RM-24=
RPS Field Upgrade for the C3620	ACS-3620RPS=
RPS Field Upgrade for the C3640	ACS-3640RPS=
19 Inch Rack Mount Kit for the Cisco 3640	ACS-3640RM-19=
24 Inch Rack Mount Kit for the Cisco 3640	ACS-3640RM-24=
19 inch Rack Mount Kit for the Cisco 3660	ACS-3660RM-19=
23 inch Rack Mount Kit for the Cisco 3660	ACS-3660RM-23=
Boot ROM Upgrade for Cisco 3600	BOOT-3600=
Backplane Spare for Cisco 3660	CISCO3660-BP=
Backplane Spare for Cisco 3660 (Central Office Version)	CISCO3660-BP-CO=
Single Port Fast Ethernet Motherboard Spare for Cisco 3660	CISCO3660-MB-1FE=
Dual Port Fast Ethernet Motherboard Spare for Cisco 3660	CISCO3660-MB-2FE=
Fan Assembly Spare for Cisco 3660	CISCO3660-FANASSY=
3660 chassis, fans, and enterprise backplane spare	3660-CHAS&BKPLN=
3660-CO chassis, fans, and backplane spare	3660CO-CHAS&BKPLN=
Cisco 3600 Series Cables	
ATM Cable,DS3+e3;10ft.	CAB-ATM-DS3/E3=
V.35 Cable, DTE, Male, 10 Feet	CAB-V35MT
V.35 Cable, DTE, Male, 10 Feet	CAB-V35MT=
V.35 Cable, DCE, Female, 10 Feet	CAB-V35FC
V.35 Cable, DCE, Female, 10 Feet	CAB-V35FC=
RS-232 Cable, DTE, Male, 10 Feet	CAB-232MT

RS-232 Cable, DTE, Male, 10 Feet	CAB-232MT=
RS-232 Cable, DCE, Female, 10 Feet	CAB-232FC
RS-232 Cable, DCE, Female, 10 Feet	CAB-232FC=
RS-449 Cable, DTE, Male, 10 Feet	CAB-449MT
RS-449 Cable, DTE, Male, 10 Feet	CAB-449MT=
RS-449 Cable, DCE, Female, 10 Feet	CAB-449FC
RS-449 Cable, DCE, Female, 10 Feet	CAB-449FC=
X.21 Cable, DTE, Male, 10 Feet	CAB-X21MT
X.21 Cable, DTE, Male, 10 Feet	CAB-X21MT=
X.21 Cable, DCE, Female, 10 Feet	CAB-X21FC
X.21 Cable, DCE, Female, 10 Feet	CAB-X21FC=
RS-530 Cable, DTE, Male, 10 Feet	CAB-530MT
Male DTE RS-530 Cable, 10 foot	CAB-530MT=
MIP-CT1: DSX1 to CSU DB-15 Thru Cable	CAB-7KCT1DB15
MIP-CT1: DSX1 to CSU DB-15 Thru Cable	CAB-7KCT1DB15=
MIP-CT1: DSX1 to CSU DB-15 Null Cable	CAB-7KCT1NULL
MIP-CT1: DSX1 to CSU DB-15 Null Cable	CAB-7KCT1NULL=
E1- ISDN PRI Cable, 10 Feet	CAB-E1-PRI
E1 ISDN PRI CABLE, 10 FOOT	CAB-E1-PRI=
E1 Cable Twinax 120ohm/Balanced, 3 Meters	CAB-E1-TWINAX
FSIP and MIP-CE1: TWINAX 120ohm/Bal 5m	CAB-E1-TWINAX=
E1 Cable DB15 120 ohm/Balanced, 5 Meters	CAB-E1-DB15
E1 Cable DB15 120 ohm/Bal 5m	CAB-E1-DB15=
E1 Cable BNC 75ohm/Unbal 5m	CAB-E1-BNC
FSIP and MIP-CE1: BNC 75ohm/Unbal 5 meters	CAB-E1-BNC=
Ethernet Cross-over Cable	CAB-ETHXOVER=
RPS 22/08 Load Cable (C2500 & MC3810 only)	CAB-RPS-2208
RPS 22/08 Load Cable (C2500 & MC3810 only)	CAB-RPS-2208=
RPS 22/18 Load Cable	CAB-RPS-2218
RPS 22/18 Load Cable	CAB-RPS-2218=
RPS 22/08 Two-to-one DC Power Cable (C2500 & MC 3810 only)	CAB-RPSY-2208
RPS 22/08 Two-to-one DC Power Cable	CAB-RPSY-2208=
RPS 22/18 Two-to-one DC Power Cable	CAB-RPSY-2218
RPS 22/18 Two-to-one DC Power Cable	CAB-RPSY-2218=
HSSI Cble, Male to Male Conn	CAB-HSI1
HSSI Cable, Male-to-Male Connectors, 10 Feet	CAB-HSI1=
Cabasy,Null Modem, DTE, HSSI	CAB-HNUL

HSSI Cable, Male-to-Male Null Modem Cable, 10 Feet	CAB-HNUL=
Cables for WIC-2T and 2A/S	
V.35 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-V35MT
V.35 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-V35MT=
V.35 Cable, DCE Female to Smart Serial, 10 Feet	CAB-SS-V35FC
V.35 Cable, DCE Female to Smart Serial, 10 Feet	CAB-SS-V35FC=
RS-232 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-232MT
RS-232 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-232MT=
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	CAB-SS-232FC
RS-232 Cable, DCE Female to Smart Serial, 10 Feet	CAB-SS-232FC=
RS-449 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-449MT
RS-449 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-449MT=
RS-449 Cable, DCE Female to Smart Serial, 10 Feet	CAB-SS-449FC
RS-449 Cable, DCE Female to Smart Serial, 10 Feet	CAB-SS-449FC=
X.21 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-X21MT
X.21 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-X21MT=
X.21 Cable, DCE Female to Smart Serial, 10 Feet	CAB-SS-X21FC
X.21 Cable, DCE Female to Smart Serial, 10 Feet	CAB-SS-X21FC=
RS-530 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-530MT
RS-530 Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-530MT=
RS-530A Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-530AMT
RS-530A Cable, DTE Male to Smart Serial, 10 Feet	CAB-SS-530AMT=
Cisco 3600 Series Spares	
High Density Voice/Fax Network Module (Single VIC Slot)	NM-HDV=
12-Channel Packet Voice/Fax DSP Module	PVDM-12=
16-Channel Packet Voice/Fax DSP Module	PVDM-16=
20-Channel Packet Voice/Fax DSP Module	PVDM-20=
Cisco 3600 Series Software Options- Model 3660	
Feat Lic for Telco to Telco Plus SW upgrade	FL366-T-TP=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12105
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12105=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12105
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12105=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12105
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12105=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12105
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12105=

Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12105
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12105=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12105
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12105=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12105
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12105=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12105
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12105=
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12105
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12105=
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12105
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12105=
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12105
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12105=
Cisco 3660 Series IOS IP	S366C-12105
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12104
Cisco 3660 Series IOS IP	S366C-12105=
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12105
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12105=
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12105
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12105=
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12105
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12105=
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12105
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12105=
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12105
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12105=
Cisco 3660 Series IOS IP PLUS	S366CP-12105
Cisco 3660 Series IOS IP PLUS	S366CP-12105=
Cisco 3660 Series IOS IP/H323	S366CU-12105
Cisco 3660 Series IOS IP/H323	S366CU-12105=
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12105
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12105=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12105
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12105=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET IPSEC 3DES	S366TPK2-12105
Cisco 3660 Series IOS TELCO PLUS FEATURE SET IPSEC 3DES	S366TPK2-12105=

Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12104=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12104
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12104=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12104
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12104=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12104
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12104=
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12104
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12104=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12104
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12104=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12104
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12104=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12104
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12104=
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12104
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12104=
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12104
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12104=
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12104
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12104=
Cisco 3660 Series IOS IP	S366C-12104
Cisco 3660 Series IOS IP	S366C-12104=
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12104
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12104=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12103XI
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12103XI
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12103XI=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12103XI
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12103XI
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12103XI=
Cisco 3660 Series IOS ENTERPRISE PLUS/H323 MCM	S366APU-12103XI
Cisco 3660 Series IOS ENTERPRISE PLUS/H323 MCM	S366APU-12103XI=
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12103XI
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12104
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12104=
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12103XI

Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12104
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12104=
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12104
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12104=
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12103XI
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12103XI=
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12104
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12104=
Cisco 3660 Series IOS IP PLUS	S366CP-12103XI
Cisco 3660 Series IOS IP PLUS	S366CP-12103XI=
Cisco 3660 Series IOS IP PLUS	S366CP-12104
Cisco 3660 Series IOS IP PLUS	S366CP-12104=
Cisco 3660 Series IOS IP/H323 MCM	S366CU-12103XI
Cisco 3660 Series IOS IP/H323 MCM	S366CU-12103XI=
Cisco 3660 Series IOS IP/H323	S366CU-12104
Cisco 3660 Series IOS IP/H323	S366CU-12104=
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12104
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12104=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12104
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12104=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET IPSEC 3DES	S366TPK2-12104
Cisco 3660 Series IOS TELCO PLUS FEATURE SET IPSEC 3DES	S366TPK2-12104=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12103T
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12103T=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12103T
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12103T=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12103T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12103T=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12103T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12103T=
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12103T
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12103T=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12103T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12103T=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12103T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12103T=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12103T

Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12103T=
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12103T
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12103T=
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12103T
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12103T=
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12103T
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12103T=
Cisco 3660 Series IOS IP	S366C-12103T
Cisco 3660 Series IOS IP	S366C-12103T=
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12103T
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12103T=
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12103T
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12103T=
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12103T
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12103T=
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12103T
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12103T=
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12103T
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12103T=
Cisco 3660 Series IOS IP PLUS	S366CP-12103T
Cisco 3660 Series IOS IP PLUS	S366CP-12103T=
Cisco 3660 Series IOS IP/H323	S366CU-12103T
Cisco 3660 Series IOS IP/H323	S366CU-12103T=
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12103T
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12103T=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12103T
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12103T=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12103
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12103=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12103
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12103=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12103
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12103=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12103
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12103=
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12103
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12103=

Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12103
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12103=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12103
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12103=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12103
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12103=
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12103
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12103=
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12103
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12103=
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12103
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12103=
Cisco 3660 Series IOS IP	S366C-12103
Cisco 3660 Series IOS IP	S366C-12103=
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12103
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12103=
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12103
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12103=
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12103
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12103=
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12103
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12103=
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12103
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12103=
Cisco 3660 Series IOS IP PLUS	S366CP-12103
Cisco 3660 Series IOS IP PLUS	S366CP-12103=
Cisco 3660 Series IOS IP/H323	S366CU-12103
Cisco 3660 Series IOS IP/H323	S366CU-12103=
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12103
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12103=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12103
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12103=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12102XH
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12102XH
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12102XH
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12102XH
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12102XH

Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12102XH
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12102XH
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12102XH
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12102XH
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12102XH
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12102XH
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12102XH
Cisco 3660 Series IOS IP PLUS	S366CP-12102XH
Cisco 3660 Series IOS IP/H323	S366CU-12102XH
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12102XH
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12102XH
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12102T
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12102T=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12102T
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12102T=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12102T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12102T=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12102T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12102T=
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12102T
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12102T=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12102T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12102T=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12102T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12102T=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12102T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12102T=
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12102T
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12102T=
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12102T
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12102T=
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12102T
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12102T=
Cisco 3660 Series IOS IP	S366C-12102T
Cisco 3660 Series IOS IP	S366C-12102T=
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12102T
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12102T=

Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12102T=
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12102T
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12102T=
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12102T
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12102T=
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12102T
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12102T=
Cisco 3660 Series IOS IP PLUS	S366CP-12102T
Cisco 3660 Series IOS IP PLUS	S366CP-12102T=
Cisco 3660 Series IOS IP/H323	S366CU-12102T
Cisco 3660 Series IOS IP/H323	S366CU-12102T=
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12102T
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12102T=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12102T
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12102T=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12102
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12102=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12102
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12102=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12102
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12102=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12102
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12102=
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12102
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12102=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12102=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12102
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12102=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12102
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12102=
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12102
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12102=
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12102
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12102=
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12102
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12102=
Cisco 3660 Series IOS IP	S366C-12102

Cisco 3660 Series IOS IP	S366C-12102=
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12102
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12102=
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12102=
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12102
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12102=
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12102
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12102=
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12102
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12102=
Cisco 3660 Series IOS IP PLUS	S366CP-12102
Cisco 3660 Series IOS IP PLUS	S366CP-12102=
Cisco 3660 Series IOS IP/H323	S366CU-12102
Cisco 3660 Series IOS IP/H323	S366CU-12102=
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12102
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12102=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12102
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12102=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12007XK
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12007XK=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12007XK
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12007XK=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12007XK
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12007XK=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12007XK
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12007XK=
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12007XK
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12007XK=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12007XK
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12007XK=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12007XK
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12007XK=
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12007XK
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12007XK=
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12007XK
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12007XK=
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12007XK

Cisco 3660 Series IOS IP	S366C-12007XK
Cisco 3660 Series IOS IP	S366C-12007XK=
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12007XK
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12007XK=
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12007XK
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12007XK=
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12007XK
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12007XK=
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12007XK
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12007XK=
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12007XK
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12007XK=
Cisco 3660 Series IOS IP PLUS	S366CP-12007XK
Cisco 3660 Series IOS IP PLUS	S366CP-12007XK=
Cisco 3660 Series IOS IP/H323	S366CU-12007XK
Cisco 3660 Series IOS IP/H323	S366CU-12007XK=
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12007XK
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12007XK=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12007XK
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12007XK=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12.0.7T
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S366AHK2-12.0.7T=
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12.0.7T
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	S366AHL-12.0.7T=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12.0.7T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	S366AK2-12.0.7T=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12.0.7T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12.0.7T=
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12.0.7T
Cisco 3660 Series IOS ENTERPRISE PLUS	S366AP-12.0.7T=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12.0.7T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	S366AR1K2-12.0.7T=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12.0.7T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	S366AR1L-12.0.7T=
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12.0.7T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS	S366AR1P-12.0.7T=
Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12.0.7T

Cisco 3660 Series IOS IP/IPX/AT/DEC	S366B-12.0.7T=
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12.0.7T
Cisco 3660 Series IOS IP/IPX/AT/DEC/FW/IDS PLUS	S366BHP-12.0.7T=
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12.0.7T
Cisco 3660 Series IOS IP/IPX/AT/DEC PLUS	S366BP-12.0.7T=
Cisco 3660 Series IOS IP	S366C-12.0.7T
Cisco 3660 Series IOS IP	S366C-12.0.7T=
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12.0.7T
Cisco 3660 Series IOS IP/FW/IDS	S366CH-12.0.7T=
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12.0.7T
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	S366CHK2-12.0.7T=
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12.0.7T
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	S366CHL-12.0.7T=
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12.0.7T
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	S366CK2-12.0.7T=
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12.0.7T
Cisco 3660 Series IOS IP PLUS IPSEC 56	S366CL-12.0.7T=
Cisco 3660 Series IOS IP PLUS	S366CP-12.0.7T
Cisco 3660 Series IOS IP PLUS	S366CP-12.0.7T=
Cisco 3660 Series IOS IP/H323	S366CU-12.0.7T
Cisco 3660 Series IOS IP/H323	S366CU-12.0.7T=
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12.0.7T
Cisco 3660 Series IOS TELCO FEATURE SET	S366T-12.0.7T=
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12.0.7T
Cisco 3660 Series IOS TELCO PLUS FEATURE SET	S366TP-12.0.7T=
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	S366AL-12.0.5XK
Encryption Export Licenses for the Cisco 3660	
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	I366AHK2-12105
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	I366AK2-12105
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	I366AR1K2-12105
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	I366CHK2-12105
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	I366CK2-12105
Cisco 3660 Series IOS TELCO PLUS FEATURE SET IPSEC 3DES	I366TPK2-12105
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	I366AHK2-12103T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	I366AK2-12103T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	I366AR1K2-12103T
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	I366CHK2-12103T

Cisco 3660 Series IOS IP PLUS IPSEC 3DES	I366CK2-12103T
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	I366AHK2-12103
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	I366AK2-12103
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	I366AR1K2-12103
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	I366CHK2-12103
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	I366CK2-12103
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	I366AHK2-12102T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	I366AK2-12102T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	I366AR1K2-12102T
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	I366CHK2-12102T
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	I366CK2-12102T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	I366AK2-12102
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	I366AR1K2-12102
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	I366CHK2-12102
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	I366CK2-12102
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	I366AR1K2-12007XK
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	I366AR1L-12007XK
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	I366CHK2-12007XK
Cisco 3660 Series IOS IP PLUS IPSEC 3DES	I366CK2-12007XK
Cisco 3660 Series IOS IP/FW/IDS IPSEC 56	I366CHL-12007XK
Cisco 3660 Series IOS IP PLUS IPSEC 56	I366CL-12007XK
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	I366AHK2-12007XK
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	I366AK2-12007XK
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	I366AHL-12007XK
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	I366AL-12007XK
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 56	I366AHL-12.0.7T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 3DES	I366AK2-12.0.7T
Cisco 3660 Series IOS ENTERPRISE PLUS IPSEC 56	I366AL-12.0.7T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 3DES	I366AR1K2-12.0.7T
Cisco 3660 Series IOS ENTERPRISE/SNASW PLUS IPSEC 56	I366AR1L-12.0.7T
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 3DES	I366CHK2-12.0.7T
Cisco 3660 Series IOS IP/FW/IDS PLUS IPSEC 56	I366CHL-12.0.7T
Cisco 3660 Series IOS IP PLUS IPSEC 56	I366CL-12.0.7T
Cisco 3660 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	I366AHK2-12102
Cisco 3600 Series Software Options - Model 3640	
Cisco 3640 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S364AHK2-12103XI
Cisco 3640 Series IOS ENTERPRISE/FW/IDS PLUS IPSEC 3DES	S364AHK2-12104